INDEX TO VOLUME XIX

A

Acanthis linaria linaria, 129
Accipiter cooperi, 34, 135, 173
velox, 16, 32, 135
Actitis macularia, 16, 32, 134
Aechmophorus occidentalis, 133
Aegialitis semipalmata, 25
Aepyornis maximus, 171
Aeronautes melanoleucus, 3, 163, 169
Agelaius phoeniceus californicus, 60
phoeniceus fortis, 39
phoeniceus neutralis, 137
Aimophila ruficeps ruficeps, 130
ruficeps scotti, 163
Albatross, Black-footed, 167
Allen, Amelia S., western robin and Sierra junco nesting in Alameda County, California, 185
Aluco pratincola, 59
Ammodramus savannarum bimaculatus, 24
Amphispiza belli, 186
nevadensis nevadensis, 39, 138, 142
Anas platyrhynchos, 30, 59, 133, 141, 143
Anthus rubescens, 139
Aphelocoma californica californica, 25, 60, 94, 95
californica cyanotis, 95
californica grisea, 95
californica hypoleuca, 95
californica immanis, 94, 95
californica obscura, 95
californica sumichrasti, 95
californica texana, 95
californica woodhouseii, 95
cyanea, 95
cyanotis, 94
floridana, 95
grisea, 94
hypoleuca, 94
insularis, 95
sumichrasti, 94
texana, 94, 163
woodhouseii, 94, 163
Aphriza virgata, 101
Apteryx, 89
Aquila chrysaetos, 34, 162
Archibuteo lagopus sancti-johannis, 135
Ardea herodias herodias, 32, 134
Arenaria melanocephala, 16
Arquatella maritima couesi, 16
Asio flammeus, 35, 136
wilsonianus, 34, 135, 142
Astragalinus lawrencei, 60
psaltria hesperophilus, 60
psaltria mexicanus, 163
psaltria psaltria, 163
tristis pallidus, 39, 138
tristis salicamans, 60
Astur atricapillus atricapillus, 70, 127, 185
atricapillus striatulus, 70, 103, 127
Asyndesmus lewisi, 136
Auklet, Cassin, 58
Avocet, American, 32, 101, 134, 156

B

Baeolophus atricristatus atricristatus, 164
inornatus inornatus, 61
Bailey, Florence Merriam, birds of the humid coast, I, fishermen, 8; II, visit from a sooty grouse, 11; III, the center of a compressed nesting area, 46; IV, up the old wood road, 51; V, by the sign of the spruce stub, 53; VI, in the bracken, 95; VII, the band-tails, 98; VIII, a voice from the heights, 101; red letter days in southern California, 155
Baldpate, 30, 85, 142
Bartramia longicauda, 162
Bittern, American, 57, 134
Least, 186
Blackbird, Bicolored, 60
Brewer, 37, 39, 60, 62, 133, 137
Rusty, 173
San Diego Red-wing, 156
Yellow-headed, 37, 137, 156, 176
Bluebird, Mountain, 43, 140, 152
San Pedro, 169
Western, 53, 57, 133, 140
Bob-white, 128
Bombycilla cedrorum, 41
garrula, 103, 128, 141
Bonasa umbellus sabini, 168
umbellus togata, 32
Botaurus lentiginosus, 134
Bowles, J. H., the Baird sandpiper in the state of Washington, 25; the arctic horned owl in the state of Washington, 70; the winter migration of 1916-1917 in the north-west, 125; two new records for the state of Washington, 187
Bradbury, W. C., notes on the black-crowned night heron near Denver, 142; notes on the nesting of the Clarke nutcracker in Colorado, 149
Branta canadensis canadensis, 134
canadensis occidentalis, 16
Bryant, H. C., stomach contents of an Oregon ruffed grouse, 168; review of C. A. Wood's "the fundus oculi of birds especially as viewed by the ophthalmoscope," 174

INDEX TO VOLUME XIX

A

Acanthis linaria linaria, 129
Accipiter cooperi, 34, 135, 173
velox, 16, 32, 135
Actitis macularia, 16, 32, 134
Aechmophorus occidentalis, 133
Aegialitis semipalmata, 25
Aepyornis maximus, 171
Aeronautes melanoleucus, 3, 163, 169
Agelaius phoeniceus californicus, 60
phoeniceus fortis, 39
phoeniceus neutralis, 137
Aimophila ruficeps ruficeps, 130
ruficeps scotti, 163
Albatross, Black-footed, 167
Allen, Amelia S., western robin and Sierra junco nesting in Alameda County, California, 185
Aluco pratincola, 59
Ammodramus savannarum bimaculatus, 24
Amphispiza belli, 186
nevadensis nevadensis, 39, 138, 142
Anas platyrhynchos, 30, 59, 133, 141, 143
Anthus rubescens, 139
Aphelocoma californica californica, 25, 60, 94, 95
californica cyanotis, 95
californica grisea, 95
californica hypoleuca, 95
californica immanis, 94, 95
californica obscura, 95
californica sumichrasti, 95
californica texana, 95
californica woodhouseii, 95
cyanea, 95
cyanotis, 94
floridana, 95
grisea, 94
hypoleuca, 94
insularis, 95
sumichrasti, 94
texana, 94, 163
woodhouseii, 94, 163
Aphriza virgata, 101
Apteryx, 89
Aquila chrysaetos, 34, 162
Archibuteo lagopus sancti-johannis, 135
Ardea herodias herodias, 32, 134
Arenaria melanocephala, 16
Arquatella maritima couesi, 16
Asio flammeus, 35, 136
wilsonianus, 34, 135, 142
Astragalinus lawrencei, 60
psaltria hesperophilus, 60
psaltria mexicanus, 163
psaltria psaltria, 163
tristis pallidus, 39, 138
tristis salicamans, 60
Astur atricapillus atricapillus, 70, 127, 185
atricapillus striatulus, 70, 103, 127
Asyndesmus lewisi, 136
Auklet, Cassin, 58
Avocet, American, 32, 101, 134, 156

B

Baeolophus atricristatus atricristatus, 164
inornatus inornatus, 61
Bailey, Florence Merriam, birds of the humid coast, I, fishermen, 8; II, visit from a sooty grouse, 11; III, the center of a compressed nesting area, 46; IV, up the old wood road, 51; V, by the sign of the spruce stub, 53; VI, in the bracken, 95; VII, the band-tails, 98; VIII, a voice from the heights, 101; red letter days in southern California, 155
Baldpate, 30, 85, 142
Bartramia longicauda, 162
Bittern, American, 57, 134
Least, 186
Blackbird, Bicolored, 60
Brewer, 37, 39, 60, 62, 133, 137
Rusty, 173
San Diego Red-wing, 156
Yellow-headed, 37, 137, 156, 176
Bluebird, Mountain, 43, 140, 152
San Pedro, 169
Western, 53, 57, 133, 140
Bob-white, 128
Bombycilla cedrorum, 41
garrula, 103, 128, 141
Bonasa umbellus sabini, 168
umbellus togata, 32
Botaurus lentiginosus, 134
Bowles, J. H., the Baird sandpiper in the state of Washington, 25; the arctic horned owl in the state of Washington, 70; the winter migration of 1916-1917 in the north-west, 125; two new records for the state of Washington, 187
Bradbury, W. C., notes on the black-crowned night heron near Denver, 142; notes on the nesting of the Clarke nutcracker in Colorado, 149
Branta canadensis canadensis, 134
canadensis occidentalis, 16
Bryant, H. C., stomach contents of an Oregon ruffed grouse, 168; review of C. A. Wood's "the fundus oculi of birds especially as viewed by the ophthalmoscope," 174

Bubo virginianus algistus, 127
virginianus pallescens, 35, 126
virginianus saturatus, 125
virginianus subarcticus, 35, 70, 125
Bunting, Indigo, 171
Lazuli, 41, 61, 139
Burnett, W. L., two albino English sparrows, 69
Bush-tit, California, 150
Coast, 61
Lead-colored, 103, 165
Lloyd, 26, 165
Buteo abbreviatus, 103
borealis alascensis, 16
borealis calurus, 34, 59, 135, 162
lineatus elegans, 129
swainsoni, 34, 135

C

Calypte anna, 60, 160, 161, 168
Canvas-back, 85, 87
Carpenter, N. K., western belted kingfisher breeding in San Diego county, California, 22
Carpodacus cassini, 138
mexicanus clementis, 173
mexicanus frontalis, 60, 138, 166
purpureus californicus, 60
Catbird, 41
Cathartes aura septentrionalis, 32, 135
Catherpes mexicanus punctulatus, 130, 140
Catheturus lathami, 88
Catoptrophorus semipalmatus inornatus, 134
Centrocercus urophasianus, 32, 135, 187
Cepphus columba, 58, 71
Certhia familiaris occidentalis, 140, 143
Ceryle alcyon, 35, 136
alcyon caurina, 22, 60
Chaetura vauxi, 136
Chambers, W. Lee, early nesting of the San Diego song sparrow, 102
Chat, Long-tailed, 41, 139, 164
Chickadee, Chestnut-backed, 50
Long-tailed, 41, 140
Mountain, 41, 103, 133, 140, 164
Santa Cruz, 61
Chicken, Barred Plymouth Rock, 125
Prairie, 135
White Leghorn, 125
Chondestes grammacus strigatus, 138
Chordeiles virginianus henryi, 36
virginianus hesperis, 169
Cinclus mexicanus unicolor, 41, 139, 169
Circus hudsonius, 32, 186
Clay, C. I., notes on the California jay in Humboldt county, 25; a new record for California, 68; Del Norte county bird notes, 71
Coccothraustes vespertina montana, 21
vespertinus mexicanus, 22
Coccyzus americanus californicus, 162
Colaptes cafer collaris, 36, 60, 136
Colburn, A. E., the goshawk in southern California and Arizona, 185
Columba fasciata fasciata, 162
Colymbus auritus, 15, 30
holboelli, 15
Condor, California, 159, 176
Cooper Ornithological Club, directory of members, 107; minutes of, 26, 74, 105, 147, 175, 189
Coot, American, 32, 59, 65, 85, 134, 156
Cormorant, Baird, 59, 71
Brandt, 59, 186
Farallon, 58, 186
Corvus brachyrhynchos hesperis, 37, 137
corax principalis, 17
corax sinuatus, 137
cryptoleucus, 163
Cowbird, 37, 38, 39, 137
Crandall, Lee S., review of his "pets, their care and history", 146
Crane, Sandhill, 44, 48, 134
Creeper, California, 140, 143
California Brown, 52
Crossbill, 133, 138
Sitka, 17
Crow, American, 92, 135, 152
Western, 37, 57, 137, 143
Cryptoglaux acadica acadica, 35
Cuckoo, California, 162
Curlew, Black, 157
Cyanocephalus cyanocephalus, 137
Cyanocitta stelleri annectens, 37, 137
stelleri carbonacea, 137
stelleri diademata, 163
stelleri frontalis, 169
Cyrtonyx montezumae mearnsi, 162

D

Dafila acuta, 16, 85
Dendragapus obscurus fuliginosus, 135
obscurus richardsoni, 32
obscurus sierrae, 186
Dendroica aestiva aestiva, 41
aestiva brewsteri, 61, 139, 169
aestiva sonorana, 164
auduboni auduboni, 41, 139, 143
coronata hooveri, 142
nigrescens, 139
townsendi, 139, 164
Dice, Lee R., habits of the magpie in southwestern Washington, 121
Dickcissel, 164
Dinosaurs, 90
Diomedea nigripes, 167
Dipper, American, 41, 133, 169
Dixon, Joseph, the home of the Baird sand piper, 77
Dove, Mourning, 22, 32

Western Mourning, 59, 135, 176
Dryobates pubescens homorus, 35
scalaris symplectus, 162
villosus monticola, 35, 136
villosus picoides, 17
villosus sitkensis, 17
Duck, Lesser Scaup, 59
Ruddy, 59
Scaup, 141
Dumetella carolinensis, 41
Dunlin, 83

E

Eagle, Bald, 49, 135
Golden, 34, 91, 162
Editorial notes and news, 26, 72, 104, 144, 171, 188
Elanus leucurus, 170, 185
Empidonax difficilis difficilis, 60, 169
griseus, 137
minimus, 163
trailli trailli, 137
wrighti, 163
Ereunetes mauri, 32
Erismatura jamaicensis, 59
Esterly, C. O., how does the shrike carry its prey? 25
Euphagus carolinus, 173
cyanocephalus, 36, 60, 137

F

Falco mexicanus, 135, 162
peregrinus anatum, 16
peregrinus pealei, 16
sparverius phalaena, 34, 135
sparverius sparverius, 59
Falcon, Peale, 16
Prairie, 135, 162
Finch, California Purple, 46, 52, 60, 99
Cassin Purple, 39, 138
Hepburn Rosy, 175
House, 138, 166
Flicker, 36
Red-shafted, 60, 98, 136, 158
Flycatcher, Ash-throated, 136, 158
Gray, 133, 137
Least, 163
Olive-sided, 9, 36, 46, 58, 60, 101, 170
Traill, 137
Vermilion, 25, 102
Western, 52, 60, 97, 169
Wright, 163
Forbush, Edward Howe, review of his recent publications, 145
Fulica americana, 32, 59, 65, 85, 134
Fulmars, 9

G

Gadwall, 156, 157, 158
Gallinago delicata, 32, 134
Gallinula galeata, 23
Gallinule, Florida, 22
Purple, 54
Gavia immer, 30
pacifica, 15
stellata, 15
Geococcyx californianus, 23, 160, 162
Geothlypis beldingi, 182
beldingi goldmani, 183
trichas occidentalis, 139
trichas sinuosa, 61
Gifford, H., a communication, 73
Glaucidium gnoma gnoma, 35
Gnatcatcher, Black-tailed, 156
Godwit, Marbled, 156
Golden-eye, 126
Goldfinch, Arkansas, 163
Green-backed, 60, 158
Lawrence, 60
Pale, 138
Western, 39
Willow, 60, 96
Goose, Canada, 134
Hutchins, 126
Tule, 105, 106
White-cheeked, 16
White-fronted, 105
Goshawk, Eastern, 70, 127, 185
Western, 70, 103, 127
Grebe, Eared, 57
Holboell, 15
Horned, 15, 30
Pied-billed, 24, 58, 138, 158
Western, 24, 56, 133
Grey, Henry, vermilion flycatcher at San Diego, California, 102; zone-tailed hawk at San Diego, California, 103
Grinnell, H. W., review of L. S. Crandall's "pets, their history and care", 146
Grinnell, Joseph, the sub-species of Hesperiphona vespertina, 17; a diagram for illustrating the seasonal shifting of the bird calendar, 68; an invasion of California by the eastern goshawk, 70; review of "second annual report of bird counts in the United States", 73; review of A. C. Shelton's "a distributional list of the land birds of west central Oregon", 174
Grinnell, J., and Storer, T. I., a new race of fox sparrow from the vicinity of Mono lake, California, 165
Grosbeak, Alaska Pine, 175
Black-headed, 41, 52, 98
British Columbia Evening, 20
California Black-headed, 158
California Evening, 20
Eastern Evening, 19
Evening, 17
Mexican Evening, 20

Pacific Black-headed, 61
Rocky Mountain Evening, 21
Rocky Mountain Pine, 39
Rose-breasted, 171
Western Blue, 73, 164
Western Evening, 137
Grouse, Canada Ruffed, 32, 33
Columbian Sharp-tailed, 32, 135
Oregon Ruffed, 12, 168
Richardson, 32
Sage, 32, 38
Sooty, 9, 11, 135
Guillemot, Pigeon, 58, 62, 71
Guiraca caerulea lazula, 164
Gull, California, 133, 177
Ring-billed, 177
Sabine, 16
Western, 9, 58, 71, 133

H

Haematopus bachmani, 71
Haliaeetus leucocephalus, 135
Hanford, Forrest S., the Townsend solitaire, 13
Hanna, Wilson C., further notes on the white-throated swifts of Slover mountain, 3
Hansen, Harold E., the Florida gallinule in San Francisco county, California, 22
Hansen, Harold E., and Squires, Walter E., a list of the birds breeding in San Francisco county, California, 54
Hawk, American Sparrow, 59
Cooper, 33, 135, 148
Desert Sparrow, 34, 133, 135
Duck, 22
Harris, 142
Marsh, 32, 103, 186
Red-bellied, 129
Red-tailed, 148
Rough-legged, 135
Sharp-shinned, 16, 32, 135, 148
Sparrow, 98
Swainson, 34, 135
Western red-tail, 59, 132
Zone-tailed, 103
Hedymeles ludovicianus, 171
Helodromas solitarius cinnamomeus, 162
Hen, Sage, 187
Henderson, Junius, the Bohemian waxwing in Colorado, 141
Henshaw, F. W., game bird conditions in Sutter county, California, 24
Heron, Anthony Green, 57, 156
Black-crowned Night, 57, 135, 142, 156, 159, 176
Great Blue, 10, 32, 57, 134, 157
Hesperiphona vespertina, 17
vespertina **brooksi**, 19, 20
vespertina **californica**, 19, 20
vespertina mexicana, 22
vespertina montana, 18, 20, 22, 137
vespertina vespertina, 19, 20
vespertina **warreni**, 21
Heteractitis incanus, 16, 71
Hirundo erythrogaster, 41, 61, 139
Holland, Harold M., the valley quail occupying nests of the roadrunner, 23
Howell, A. B., review of his "birds of the islands off the coast of southern California", 172; condition of game birds in east-central California, 186
Hummingbird, Allen, 73
Anna, 60, 160
Broad-tailed, 36
Calliope, 136, 142, 169
Rufous, 9, 47, 52, 96, 98, 136, 163
Hydrochelidon nigra surnamensis, 133
Hylocichla fuscescens salicicola, 43
guttata auduboni, 43, 165
guttata guttata, 140
guttata slevini, 186
ustulata ustulata, 61, 142

I

Ibis, Scarlet, 46
White-faced Glossy, 156, 157
Icteria virens longicauda, 41, 139, 164
Icterus bullocki, 39, 137
Ixobrychus exilis, 186
Ixoreus naevius meruloides, 130
naevius naevius, 140

J

Jaeger, Parasitic, 81
Pomarine, 81
Jay, Black-headed, 33, 37, 137
Blue-eared, 94
Blue-fronted, 169
California, 25, 60, 104
Coast, 52, 137
Crested, 9
Long-crested, 163
Pinyon, 137, 150, 152
Texas, 163
Woodhouse, 163
Junco, Intermediate, 39
Pink-sided, 39
Point Pinos, 60
Shufeldt, 133, 138
Sierra, 60, 185
Slate-colored, 138
Thurber, 169
Junco hyemalis connectens, 39
hyemalis hyemalis, 138
hyemalis mearnsi, 39
hyemalis shufeldti, 138
hyemalis thurberi, 169
oreganus pinosus, 60
oreganus thurberi, 60, 185

K

Kennedy, C. H., some factors involved in the nesting habit of birds, 87
Killdeer, 32, 59, 134, 143, 158
Kingbird, Cassin, 158, 163
Eastern, 136
Western, 36, 58, 133, 136, 170
Kingfisher, Belted, 9, 35, 91, 136, 148, 162
Western Belted, 22, 60
Kinglet, Ruby-crowned, 33, 42, 140
Western Golden-crowned, 42, 47, 50
Kitchin, E. A., the black-footed albatross off the coast of Washington, 167
Kite, White-tailed, 170, 185

L

Ladd, N. M., review of his "how to make friends with birds", 144
Lanius ludovicianus excubitorides, 41, 139
ludovicianus gambeli, 25, 61
Lanivireo solitarius cassini, 41, 139, 164
Lark, California Horned, 60, 156, 169
Desert Horned, 36, 137, 163
Dusky Horned, 133
Larus californicus, 133, 177
delawarensis, 177
occidentalis, 58, 71, 133
Law, J. E., notes on the Arizona spotted owl, 69
Linaria cyanea, 171
Linnet, California, 60
Lobipes lobatus, 32
Longspur, 79
Loon, Common, 30
Pacific, 15
Red-throated, 15
Lophodytes cucullatus, 68, 143
Lophortyx californica californica, 59, 135
californica vallicola, 23, 173, 187
Loxia curvirostra minor, 138
curvirostra sitkensis, 17
Lunda cirrhata, 58, 71

M

Magpie, 37, 137, 143
Black-billed, 121
Mailliard, E. C., a portable nest, 166
Mailliard, Joseph, the hooded merganser in Stanislaus county, California, 68; concerning two forms of the Bryant marsh sparrow in California, 69; review of A. B. Howell's "birds of the islands off the coast of southern California", 172
Mallard, 24, 30, 59, 121, 125, 133, 141, 143, 157, 158
Mareca americana, 30, 85, 142
penelope, 142
Marila affinis, 59
americana, 134
marila, 141
valisineria, 87
Meadowlark, Western, 39, 60, 126, 137, 155
Melanerpes formicivorus bairdi, 69, 103
Melospiza lincolni gracilis, 130
lincolni lincolni, 40, 130, 138
melodia caurina, 16
melodia merrilli, 138
melodia montana, 40
melodia pusillula, 61
melodia rufina, 16
melodia santaecrucis, 61
Merganser, 133
Hooded, 68, 143
Red-breasted, 16, 30
Mergus americanus, 133
serrator, 16, 30
Mimus polyglottos leucopterus, 164
Mitchell, H. H., peculiar nesting habits of the avocet, 101
Mockingbird, Western, 158, 164
Molothrus ater ater, 37, 137
Murre, California, 58, 71, 172
Murrelet, Xantus, 173
Myadestes townsendi, 14
Myiarchus cinerascens cinerascens, 136
Myiochanes richardsoni richardsoni, 36, 136, 169

N

Nannus hiemalis pacificus, 140
Nettion carolinense, 30
Nighthawk, Pacific, 73, 169
Texas, 159
Western, 36
Nokes, I. D., western grebe breeding in southern California, 24; vermilion flycatcher near Los Angeles, 25
Nucifraga columbiana, 37, 137, 149, 163
Nutcracker, Clarke, 37, 133, 137, 149, 163
Nuthatch, Pigmy, 103, 133, 140
Red-breasted, 103, 140
Rocky Mountain, 103, 140, 164
Slender-billed, 140
Nuttallornis borealis, 36, 60, 170
Nyctea nyctea, 24, 127
Nycticorax nycticorax naevius, 134, 142

O

Oberholser, H. C., the number of species and subspecies of birds in Texas, 68; the status of Aphelocoma cyanotis and its allies, 94; a new subspecies of Geothlypis beldingi, 182
Oceanodroma furcata, 141
homochroa, 58
kaedingi, 58, 71, 185
Oidemia deglandi, 16
perspicillata, 16

Olor buccinator, 32
Oporornis tolmiei, 41, 139
Oreortyx picta picta, 134
picta plumifera, 169, 186
Oreoscoptes montanus, 41, 140, 143
Oreospiza chlorura, 41, 130
Oriole, Bullock, 39, 56, 133, 137, 176
Osprey, American, 34, 117, 135
Otocoris alpestris actia, 60, 169
alpestris leucolaema, 36, 163
alpestris merrilli, 137
Otus asio kennicotti, 16, 143
asio macfarlanei, 136
Ouzel, Water, 8, 13, 14
Owl, American Barn, 59, 155
Arctic Horned, 35, 70
Arizona Spotted, 69
Burrowing, 60, 133, 136, 158, 162
Coast Screech, 57
Dusky Horned, 57, 125
Great Grey, 175
Great Horned, 152
Kennicott Screech, 16, 126, 143
Long-eared, 34, 123, 135, 142
Macfarlane Screech, 136
Pigmy, 35
Saw-whet, 35
Screech, 50, 96
Short-eared, 35, 126, 136
Snowy, 24, 71, 127
Western Burrowing, 48
Western Horned, 35, 136
Oxyechus vociferus, 32, 134
vociferus vociferus, 59, 143
Oystercatcher, Black, 71

P

Palmer, T. S., names of writers on California birds, 66; Botta's visit to California, 159; an early experiment in keeping hummingbirds in captivity, 168; the oldest American ornithologist, 166
Pandion haliaëtus carolinensis, 34, 117, 135
Parabuteo unicinctus harrisi, 142
Passer domesticus, 39, 60, 69
Passerculus sandwichensis alaudinus, 16, 39, 138
sandwichensis bryanti, 60, 69
sandwichensis sandwichensis, 16
sandwichensis savanna, 68
Passerella iliaca, 138
iliaca megarhyncha, 165
iliaca meruloides, 130
iliaca monoensis, 165
iliaca schistacea, 138, 165
iliaca stephensi, 165
Passerina amoena, 41, 61, 139
Pedioecetes phasianellus columbianus, 32, 135
Pelecanus californicus, 102
erythrorhynchos, 30, 133, 178
Pelican, California Brown, 56, 102
White, 30, 44, 133, 178
Pelidna alpina sakhalina, 134
Pemberton, J. R., notes on the western grasshopper sparrow, 24
Penthestes atricapillus septentrionalis, 41, 140
carolinensis agilis, 164
gambeli gambeli, 41, 140, 164
rufescens barlowi, 61
Petrel, Ashy, 58
Fork-tailed, 141
Kaeding, 58, 71, 185
Petrochelidon lunifrons lunifrons, 41, 61, 139
Pewee, Western Wood, 36, 52, 133, 136, 169
Peyton, S. B., large sets of eggs of California woodpecker, 103; western goshawk in Ventura county, California, 103; early nesting of the California brown pelican on Anacapa island, California, 112
Phalacrocorax auritus albociliatus, 58, 186
pelagicus resplendens, 59, 71
penicillatus, 59, 186
Phalaenoptilus nuttalli californicus, 129
nuttalli nuttalli, 36, 136, 163
Phalarope, Northern, 32
Wilson, 134, 167
Phasianus torquatus, 59, 135, 187
Pheasant, Ring-necked, 59, 126, 135, 187
Phoebe, Black, 60, 158, 169
Say, 132, 133, 136, 156
Pica pica hudsonia, 37, 121, 137
Picus nataliae, 63
Pigeon, Band-tailed, 98, 162
Pinicola enucleator montana, 39
Pintail, 16
Pipilo crissalis crissalis, 170
maculatus falcifer, 61
maculatus megalonyx, 169
maculatus montanus, 139, 164
Pipit, American, 139
Piranga hepatica hepatica, 164
ludoviciana, 41, 139
rubra cooperi, 164
Pisobia bairdi, 25, 77, 142
Planesticus migratorius propinquus, 43, 61, 140, 185, 186
Plover, Black-bellied, 16
Semipalmated, 25
Podilymbus podiceps, 58, 133
Pooecetes gramineus affinis, 130
gramineus confinis, 39, 138
Poor-will, 36, 136, 163
Dusky, 129
Porzana carolina, 32, 134, 168
Psaltriparus melanotis lloydi, 165
minimus minimus, 61
plumbeus, 165

Ptychoramphus aleuticus, 58
Puffin, Tufted, 58, 71
Puffinus opisthomelas, 173
Pyrocephalus rubinus mexicanus, 25, 102

Q

Quail, California, 135
California Valley, 23, 59, 159, 187
Mearns, 162
Mountain, 134
Plumed, 169, 187
Querquedula cyanoptera, 134
discors, 32

R

Rail, Sora, 32, 134, 168
Virginia, 59
Rallus virginianus, 59
Raven, 132, 137
Northern, 17
Western, 57, 155, 158
White-necked, 163
Ray, M. S., some further notes on San Francisco county birds, 170
Recurvirostra americana, 32, 101, 134
Redhead, 134
Redpoll, 129
Red-tail, Alaska, 16
Western, 34, 162
Red-wing, San Diego, 133, 137
Thick-billed, 39
Tri-colored, 176
Regulus calendula calendula, 42, 140
satrapa olivaceus, 42
Richards, W. W., wild ducks in a city park, 85
Riparia riparia, 41, 61, 139
Roadrunner, 23, 143, 155, 160, 162
Robin, Eastern, 62
Western, 43, 46, 61, 97, 99, 140, 176, 185, 186
Roc, 171
Rust, H. J., an annotated list of the birds of Fremont county, Idaho, as observed during the summer of 1916, 29

S

Sage-hen, 133, 135
Salpinctes obsoletus obsoletus, 41, 61, 140
Sandpiper, Aleutian, 16
Baird, 25, 77, 141
Bartramian, 162
Buff-breasted, 187
Pectoral, 79
Red-backed, 134
Semipalmated, 79
Spotted, 16, 32, 134
Western, 32
Western Solitary, 162
Sapsucker, Red-breasted, 104
Williamson, 62, 136
Sayornis nigricans, 60, 169
sayus, 136
Schaefer, O. F., occurrence of the red-breasted nuthatch in Arizona, 103
Schussler, G. W., the surf bird at San Francisco, 101; nesting of the California brown towhee in San Francisco, 170
Scoter, Surf, 16
White-winged, 16
Scudder, B. A., review of his "conservation of our wild birds", 74
Selasphorus alleni, 60
platycercus, 36
rufus, 136, 163, 168
Sell, R. A., some notes on the effect on bird life of the Corpus Christi storm of August 18, 1916, 43
Shearwater, Dark-bodied, 57
Shelton, A. C., review of his "a distributional list of the birds of west central Oregon", 174
Shepardson, D. I., notes from the southern Sierras, 168
Shrike, California, 25, 61, 143
White-rumped, 41, 133, 139
Sialia currucoides, 43, 140
mexicana anabelae, 169
mexicana occidentalis, 140
Siskin, Pine, 39, 49, 60, 61, 130, 138
Sitta canadensis, 103, 140
carolinensis aculeata, 140
carolinensis nelsoni, 140, 164
pygmaea, 140
Skinner, M. P., the ospreys of the Yellowstone, 117; the birds of Molly Island, Yellowstone National Park, 177
Smith, A. P., some birds of the Davis mountains, Texas, 161
Smith, F. J., the snowy owl in Humboldt county, California, 24
Snipe, Wilson, 32, 134
Solitaire, Townsend, 13, 14
Sparrow, Aleutian Savannah, 16
Bell, 143, 156, 186
Brewer, 37, 39, 133, 138, 139
Bryant Marsh, 60, 69
Clay-colored, 163
English, 39, 60, 62, 69, 145
Fox, 138
Gambel, 138
Golden-crowned, 16, 130, 138
Intermediate, 130
Lincoln, 40, 130, 138
Merrill Song, 138
Mono Fox, 165
Mountain Song, 34, 40
Nevada Sage, 142
Nuttall, 9, 46, 60, 101, 170
Oregon Vesper, 130
Rufous-crowned, 130

Rusty Song, 99
Sage, 37, 38, 39, 133, 138
Salt Marsh Song, 61
San Diego Song, 102
Santa Cruz Song, 61
Savannah, 68
Scott, 163
Slate-colored, 133, 138
Western Chipping, 9, 39, 138
Western Grasshopper, 24
Western Lark, 133, 138
Western Savannah, 39, 69, 138
Western Vesper, 39, 40, 138
White-crowned, 9, 25, 37, 39
Yakutat Fox, 130
Yakutat Song, 16
Speotyto cunicularia hypogaea, 60, 136, 162
Sphyrapicus thyroideus, 62, 136
thyroideus nataliae, 63, 65
thyroideus thyroideus, 63, 64
Spinus pinus pinus, 39, 60, 130, 138
Spiza americana, 164
Spizella breweri, 39, 138
pallida, 163
passerina arizonae, 39, 138
Sprig, 85
Squatarola squatarola, 16
Squires, W. A., and Hansen, H. E., a list of the birds breeding in San Francisco county, California, 54
Squires, W. A., is the California woodpecker a tippler?, 69; some field notes for 1917, 185
Steganopus tricolor, 134, 167
Stellula calliope, 136, 142, 169
Sterna caspia, 182, 187
Stilt, Black-necked, 157
Storer, T. I., review of B. A. Scudder's "conservation of our wild birds", 74; Bohemian waxwing in Mariposa county, 103; review of N. M. Ladd's "how to make friends with birds", 144; review of recent publications of E. H. Forbush, 145
Storer, T. I., and Grinnell, J., a new race of fox sparrow from the vicinity of Mono Lake, California, 165
Streptoceryle alcyon alcyon, 162
Strix occidentalis lucida, 69
occidentalis occidentalis, 69
Sturnella neglecta, 39, 60, 137
Surf-bird, 101
Swallow, Bank, 41, 61, 91, 139
Barn, 10, 41, 49, 61, 62, 139
Cliff, 39, 41, 61, 62, 104, 139, 158
Northern Violet-green, 41, 139
Tree, 53, 98, 143
Swan, Trumpeter, 32, 176
Swarth, H. S., geographical variation in Sphyrapicus thyroideus, 62; observations on some Fresno county birds, 129; review of A. T. Wayne's "a list of avian species for which the type locality is South Carolina", 146
Swift, Vaux, 96, 136
White-throated, 3, 26, 163, 169

T

Tachycineta thalassina lepida, 41, 139
Tanager, Cooper, 164
Hepatic, 164
Scarlet, 52
Western, 41, 52, 139
Tattler, Wandering, 16, 71
Teal, Blue-winged, 32
Cinnamon, 134, 157, 158, 167
Green-winged, 30, 125
Telmatodytes palustris paludicola, 61
palustris plesius, 130, 140
Tern, Black, 133
Caspian, 182, 187
Thrasher, California, 159
Curve-billed, 164
Leconte, 143
Palmer, 104
Sage, 35, 41, 133, 140, 143
Thrush, Alaska Hermit, 130, 140
Audubon Hermit, 43, 165
Hermit, 46
Monterey Hermit, 186
Northern Varied, 130
Russet-backed, 46, 48, 61, 96, 98, 99, 142
Varied, 9, 46, 100, 140
Willow, 43
Thryomanes bewicki eremophilus, 164
bewicki spilurus, 61
Titmouse, Black-crested, 164
Gray, 103
Plain, 61
Totanus melanoleucus, 16, 134
Towhee, California Brown, 58, 170
Green-tailed, 36, 41, 130
Mountain, 164
San Francisco, 61
Spurred, 139, 169
Toxostoma curvirostre curvirostre, 164
lecontei, 143
Trochilus colubris, 168
Troglodytes aedon parkmani, 41, 61, 130, 140
Tryngites subruficollis, 187
Turkey, Australian Brush, 88
Turnstone, Black, 16
Tyler, J. G., nesting of the Wilson phalarope near Fresno, California, 167
Tyrannus tyrannus, 136
verticalis, 36, 136, 170
vociferus, 163

U

Uria troille californica, 58, 71

V

Veery, 48
Vermivora celata celata, 130
celata lutescens, 61, 130, 139
rubricapilla gutturalis, 139
Vireo, Cassin, 41, 133, 139, 164
Hutton, 61
Stephens, 164
Western Warbling, 41, 61, 139, 169
Vireo huttoni huttoni, 61
huttoni stephensi, 164
Vireosylva gilva swainsoni, 41, 61, 139, 169
Vulture, Turkey, 32, 57, 135

W

Walker, Alex., some birds of central Oregon, 131
Warbler, Audubon, 41, 49, 133, 139, 143
Black-throated Gray, 139
Calaveras, 139
California Yellow, 61, 139, 169
Golden Pileolated, 11, 50, 61, 98, 170
Lutescent, 61, 98, 130, 133, 139
Macgillivray, 139
Myrtle, 142
Orange-crowned, 130
Pileolated, 139
Sonora Yellow, 164
Tolmie, 41
Townsend, 139, 164
Yellow, 41
Warburton, S., another instance of lead poisoning in ducks, 141; another record of the European widgeon from the state of Washington, 142; cases of early nesting in the state of Washington, 143
Waxwing, Bohemian, 103, 128, 141
Cedar, 41, 96, 103, 141
Wayne, A. T., review of his "a list of avian species for which the type locality is South Carolina", 146
Wear, Winifred N., notes from the Fresno district, 142
Wetmore, Alexander, an abnormal egg of Fulica americana, 65
Widgeon, European, 142
Wiley, Leo, nesting of Harris hawk in southeastern California, 142
Willet, Western, 134, 156
Willett, G., further notes on the birds of Forrester island, Alaska, 15; another Alaska record for the mourning dove, 22; some April nesting notes from the vicinity of Buena Vista Lake, Kern County, California, 143
Wilsonia pusilla chryseola, 61, 170
pusilla pileolata, 139
Wood, C. A., review of his "the fundus oculi of birds especially as viewed by the ophthalmoscope", 174
Woodpecker, Alpine Three-toed, 175
Batchelder, 35
California, 69, 103
Downy, 52
Gairdner, 52
Lewis, 136
Pileated, 9, 46, 97
Queen Charlotte, 17
Rocky Mountain Hairy, 33, 35, 133, 136
Southern White-headed, 169
Texas, 162
White-headed, 63, 133, 136
Wren, Baird, 156
Cactus, 155
Desert, 164
Dotted Canyon, 130, 140
Rock, 41, 61, 130, 133, 140, 156
Seattle, 97, 98
Tule, 61
Vigors, 61
Western House, 41, 61, 130, 140
Western Marsh, 130, 140
Western Winter, 49, 51, 73, 100, 140
Wren-tit, Coast, 49
Intermediate, 56
Wyman, L. E., fork-tailed petrel and Baird sandpiper in southern California, 141; that goshawk invasion again, 185
Wythe, Margaret W., Sierra junco breeding at Berkeley, 185

X

Xanthocephalus xanthocephalus, 37, 137
Xema sabini, 16
Xenopicus albolarvatus albolarvatus, 63
albolarvatus gravirostris, 63, 169

Y

Yellow-legs, Greater, 16, 134, 173
Yellowthroat, Salt-marsh, 61
Western, 133, 139

Z

Zamelodia melanocephala, 41
melanocephala capitalis, 61
Zenaidura macroura, 22
macroura carolinensis, 32
macroura marginella, 59, 135
Zonotrichia coronata, 16, 130, 138
leucophrys gambeli, 138
leucophrys leucophrys, 39
leucophrys nuttalli, 60, 170